

Amendments to the Claims

Please amend the claims in the manner indicated.

Claims 1-18 (Canceled)

19. (New) A digital radio system for receiving a plurality of signals including a pilot signal, comprising:

a digital wireless rake receiver comprising:

a demodulator to calculate the pilot signal during an integration window with a duration which is a function of Doppler period; wherein the Doppler period is inverse of Doppler frequency.

20. (New) The digital radio system as recited in claim 19 wherein a symmetric integration window is approximately 13% of the Doppler period.

21. (New) The digital radio system as recited in claim 19 wherein an asymmetric integration window is approximately 3% of the Doppler period.

22. (New) The digital radio system as recited in claim 19 wherein the pilot integration window is a function of Rician parameter.

23. (New) The digital radio system as recited in claim 19 wherein the pilot integration window is a function of interference level.

24. (New) The digital radio system as recited in claim 19 wherein a corresponding pilot integration window is calculated separately for each of a plurality of fingers.